WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

INTRACOASTAL WATERWAY
Project Depths
12 feet Norfolk, Va. to Fort Pierce, Fla.
10 feet Fort Pierce, Fla. to Miami, Fla.
7 feet Miami, Fla. to Cross Bank, Florida Bay.
The authorized Federal project extension from Cross Bank (Florida Bay) to Key West has not been improved.
The controlling depths are published periodically on the U.S. Coast Guard Local Notice to Mariners.

Distances
The waterway is indicated by a magenta line. Mileage distances along the Waterway are in Statute Miles southward from Norfolk, Virginia and indicated thus: ——
Tables for converting Statute Miles to International Nautical Miles are given in U.S. Coast Pilot 4. Courses are TRUE and must be CORRECTED for any variation and compass deviation.

CAUTION

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of ca^{ra}dio other radio signals as aids to marine na-gation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(Accurate location) ((Approximate location)

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 4 for important supplemental information.

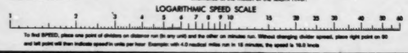
This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG262), National Ocean Service, NOAA, Rockville, Maryland 20852.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

NOTE F
CAUTION
Cross-channel current variations in Government Cut are particularly difficult to negotiate because of variances between predicted and actual currents. Caution should be exercised when entering from sea during flood tide with northeasterly winds; a strong turning torque occurs when just inside the north jetty. A similar but less serious situation occurs when leaving the port during ebb tides. Horizontal current gradients occur in the turning basin at the northwest corner of Dodge Island which may make maneuvering difficult. Ships may encounter current crosscurrents at the mouth of the Miami River.

LOGARITHMIC SPEED SCALE



To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 18 minutes, the speed is 13.3 knots

NOAA
NATIONAL OCEAN SERVICE

FLORIDA
INTRACOASTAL WATERWAY
MIAMI TO ELLIOTT KEY

Mercator Projection
Scale 1:40,000 at Lat. 25°38'
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: — — —

Formerly C&GS 848, 1st. Ed., October 1959 C-1939-488 KAPP 310

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.368" northward and 0.625" eastward to agree with this chart.

CAUTION
CHANGES in BUOYAGE
Mariners are advised that authorized aids to navigation are being changed to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes are: black port hand buoys to green; black and white vertically striped buoys to red and white vertically striped buoys; and lateral lights from white to red or green as appropriate. Changes in aids to navigation will be announced in the Defense Mapping Agency Hydrographic / Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

TIDAL INFORMATION

Name	Place	Height referred to datum of soundings (MLLW)			
		Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Miami Harbor Entrance		2.8	2.7	0.2	-2.0
Miami Marina		2.3	2.2	0.1	-2.0
Fowey Rocks		2.7	2.6	0.2	-2.0
Rigged Keys		1.8	1.7	0.1	-2.0
Elliott Key (Outside)		2.6	2.5	0.2	-2.0
Cutler Biscayne Bay		2.2	2.1	0.1	-2.0

(1087)

MIAMI HARBOR CHANNEL
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS REPORT OF APPR, 1986
AND SURVEYS TO DEC 1986

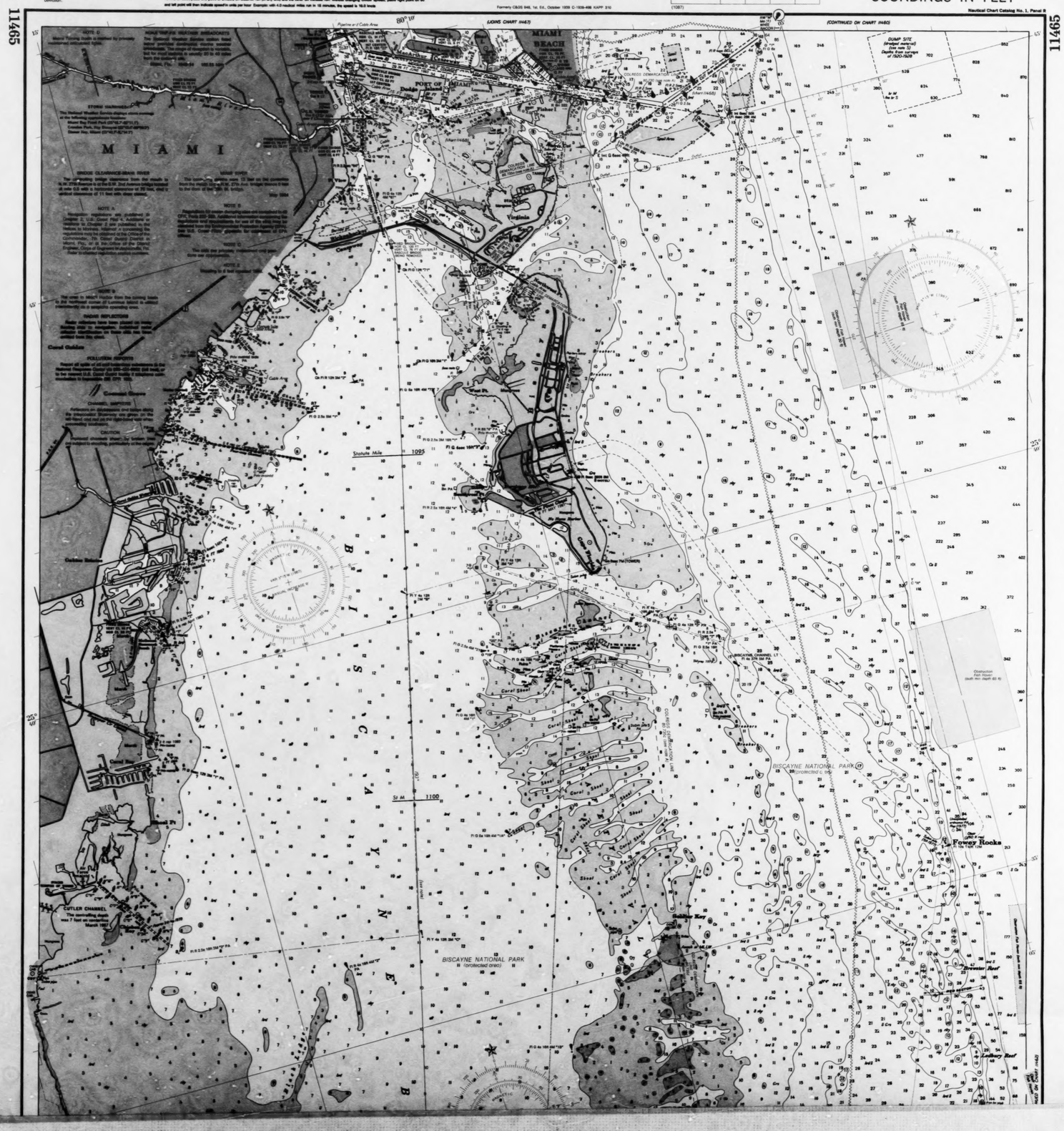
NAME OF CHANNEL	CONTROLLING DEPTHS (FROM SOUNDING IN FEET AT MEAN LOWER LOW WATER (MLLW))				DATE OF SURVEY	PROJECT DIMENSIONS	
	LEFT OUTER QUARTER	LEFT HALF QUARTER	RIGHT HALF QUARTER	RIGHT OUTER QUARTER		WIDTH (FEET)	DEPTH (FEET MLLW)
OUTER BAR CUT	38(L)	36	35	38(R)	12-86	400	40
ENTRANCE A	38	38	38	38	12-86	2-400	40
BAR CUT	36	36	36	36	12-86	300	40
GOVERNMENT CUT	38(R)	38	38	38(L)	12-86	600-400	40
MAIN CHANNEL	38(R)	38	35	33	12-86	400	40

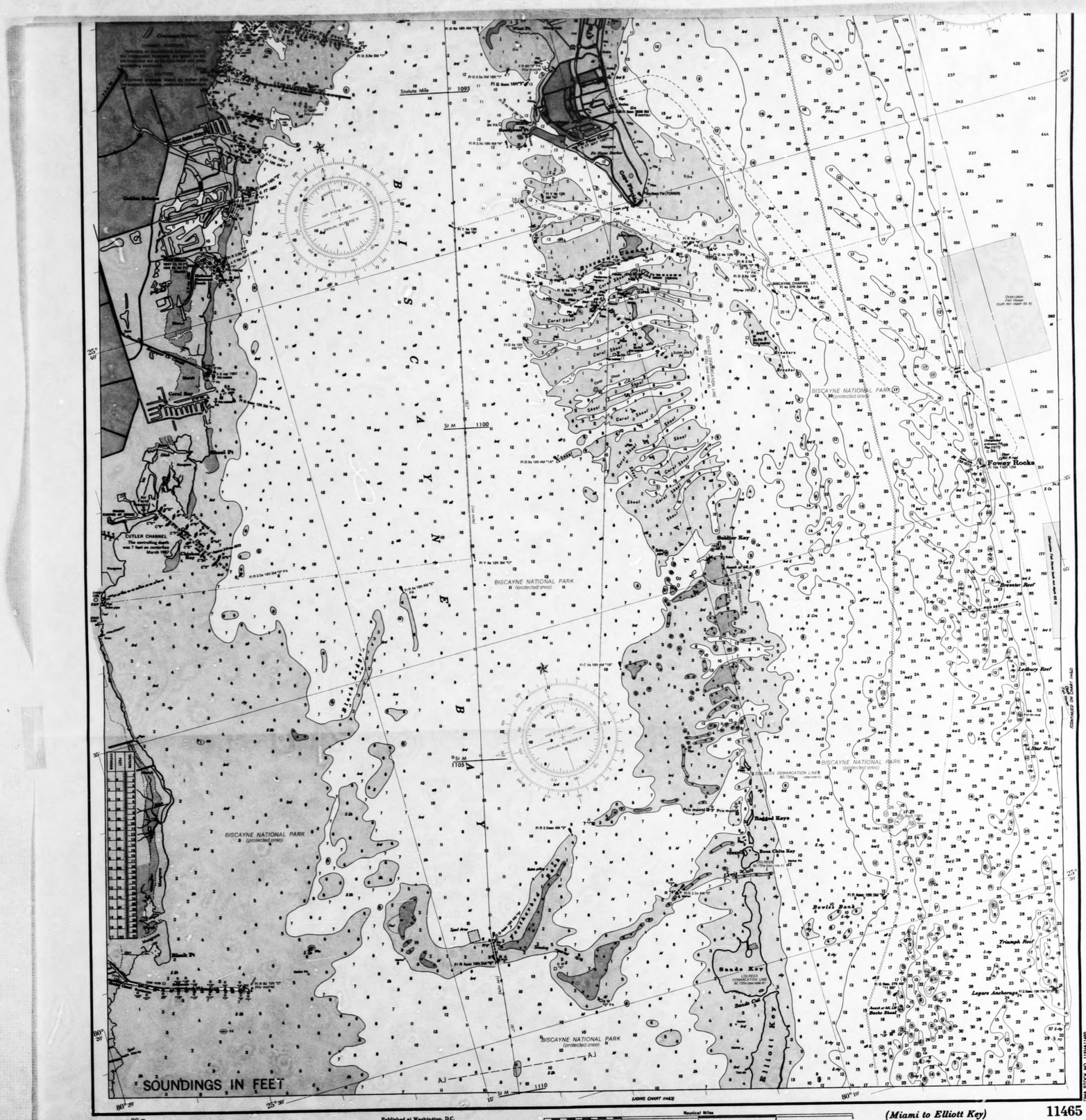
A. MIDPIER LOCATED AT THE JUNCTION OF OUTER BAR CUT AND BAR CUT REACH.
B. SHOALING ALONG SOUTH CHANNEL EDGE FROM 100 FT EAST TO 400 FT WEST OF BUOY 5 EXTENDING 50 FT INTO THE CHANNEL WITH A LEAST DEPTH OF 39.9 FEET AT THE CHANNEL EDGE.
C. SHOALING ALONG NORTH CHANNEL EDGE BETWEEN BUOY 4 AND BUOY 6 EXTENDING 20 FT INTO CHANNEL WITH LEAST DEPTH OF 39.6 FEET IN THE CHANNEL.
D. SHOALING ALONG SOUTH CHANNEL EDGE FROM LT 17 TO 100 FT WEST OF LT 17 EXTENDING 50 FT INTO THE CHANNEL WITH A LEAST DEPTH OF 30.1 FEET AT CHANNEL EDGE.
E. SHOALING ALONG SOUTH CHANNEL EDGE FROM 1150 FT WEST OF LT 17 TO 2600 FT WEST OF LT 19 WITH A LEAST DEPTH OF 38.2 AT CHANNEL EDGE. A MINOR SHOAL OF 36.4 FEET AT SOUTH CHANNEL EDGE 3150 FT EAST OF LT 50.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

PRODUCED BY COMPUTER VERIFIED METHODS

SOUNDINGS IN FEET

11465


80° 10'
25° 45'
25° 40'
(LIONS CHART 11467)
(CONTINUED ON CHART 11460)
MIAMI BEACH
POST OF MIAMI
M I A M I
Fisher I.
Virginia
Star
Dodge I.
Lummus I.
Watson I.
Claughton I.
Government Cut
Miami Harbor Channel
Fisherman's Channel
Cape Florida
Key Biscayne
Cocoanut Grove
Coral Gables
Cutler Bahama
Statute Mile 1095
St M 1100
Coral Sand
Coral Shoals
Coral Reefs
Rocks
Wrecks
Obstructions
Fowey Rocks
Gibbs Key
Soldier Key
Pacific Reef
Ledbury Reef
BISCAYNE NATIONAL PARK
(protected area)
CUTLER CHANNEL
The controlling depth was 7 feet on centerline March 1987
DUMP SITE
(Bridged material) (see note 5)
Depth in the vicinity of 1500-1500
Obstruction
Fish Haven
(auth. min. depth 60 ft)
Obstruction
Fish Haven
(auth. min. depth 60 ft)
PILOTAGE CHANNEL LT
Fl W 10s 38 FA
Miami Harbor Entrance Lt
Fl W 10s 19M
Chart 11460
Fl G 4sec 19M
Fl R 2.5s 3M
Fl G 2.5s 3M
Fl R 2.5s 7M
Fl G 4sec 19M
Fl G 4sec 19M
Fl R 2.5s 3M
Fl G 4sec 19M
Fl R 2.5s 7



26th Ed., June 17/89

11465

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

Nautical Miles
Statute Miles
Yards
LATITUDE
LONGITUDE

(Miami to Elliott Key)

SOUNDINGS IN FEET - SCALE 1:40,000

11465

DMA STOCK NO. 11SN11465

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